PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below.
TSL01842PCT International application No.	International filing date (day/month/year)	
		(Carriest) Frionty Date (day/monityyear)
PCT/JP2004/318531	07/12/2004	24/12/2003
Applicant		
DOW CORNING TORAY SILICONE	CO., LTD.	
This International Search Report has beer according to Article 18. A copy is being tra	prepared by this International Searching Ansmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
It is also accompanied by	a copy of each prior art document cited in t	this report.
Basis of the report a. With regard to the language, the illinguage in which it was filed, unle	nternational search was carried out on the ess otherwise indicated under this item.	basis of the international application in the
The international states Authority (Rul		anslation of the international application furnished to
b. With regard to any nucleo	tide and/or amino acid sequence disclos	sed in the international application, see Box No. I.
2. Certain claims were four	nd unsearchable (See Box II).	
3. X Unity of Invention is lack	king (see Box III).	
4. With regard to the title,		
the text is approved as sul	bmitted by the applicant.	
X the text has been establish	ned by this Authority to read as follows:	
DICING/DIE BONDING FIL	M AND METHOD OF MANUFACTU	URING THE SAME
_		
		•
5. With regard to the abstract,		
the text is approved as sul	bmitted by the applicant.	
		nority as it appears in Box No. IV. The applicant
may, within one month fro	m the date of mailing of this international se	earch report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be po	ublished with the abstract is Figure No	1
X as suggested by the		
	s Authority, because the applicant failed to	
	s Authority, because this figure better chara	acterizes the invention.
b none of the figures is to be	published with the abstract.	

International application No.

INTERNATIONAL SEARCH REPORT

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

PCT/JP2004/018531

A dicing/die bonding sheet is made by joining a base film (1) and a silicone based adhesive agent layer (3) through the medium of an undercoat layer (2). This all-in-one dicing/die bonding sheet exhibits superior long-term storage stability and prevents chip delamination during dicing.

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/018531

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically: .			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
see additional sheet			
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-6			
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

A dicing/die bonding tape comprising a silicone based die bonding adhesive and a method of manufacturing the same by forming an undercoat layer and a silicone based adhesive layer on a base film.

2. claims: 7,8

Method of manufacturing a dicing/die bonding film by first forming a silicone adhesive layer and a undercoat layer on a temporary substrate and then transfer the multilayer stack to a base substrate.

3. claim: 9

Method of manufacturing a dicing/die bonding film by forming a silicone adhesive based layer, undercoat layer and applying a base film onto a strippable protective layer.

INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/018531

IPC 7 H01L21/68 H01L21/58					
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Minimum do	cumentation searched (classification system followed by classification	ion symbols)	,		
IPC 7	H01L				
					
Documenta	ion searched other than minimum documentation to the extent that s	such documents are included in the tields se	arched ·		
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used			
EPO-In	ternal, PAJ				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.		
		•	1046		
X.	PATENT ABSTRACTS OF JAPAN		1,2,4-6		
	vol. 2002, no. 12, 12 December 2002 (2002-12-12)				
	-& JP 2002 226796 A (HITACHI CHE	M CO LTD),			
	14 August 2002 (2002-08-14)		3		
Υ	abstract paragraphs [0031], [0033], [00	387.	3		
	[0065], [0076], [0078], [0109]]; figures			
	2,3				
Υ	US 6 319 754 B1 (WANG HOW-SHIN E	T AL)	3		
•	20 November 2001 (2001-11-20)				
	column 2, line 53 - column 3, line 11;				
	figure 4				
i		-/			
Further documents are listed in the continuation of box C. X Patent family members are listed in annex.					
° Special cat	*Special categories of cited documents : "T" later document published after the international filing date				
"A" docume	or priority date and not in conflict with the application but of priority date and not in conflict with the application but cited to understand the principle or theory, underlying the				
"E" earlier d	considered to be of particular relevance invention				
III " documo	filing date "document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone inventive step when the document is taken alone				
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"O" document referring to an oral disclosure, use, exhibition or other means of the					
"P" docume later th	P* document published prior to the international filling date but later than the priority date claimed "&" document member of the same patent family				
Date of the a	Date of the actual completion of the international search Date of mailing of the International search report				
17	7 February 2005	23/05/2005			
Name and m	Name and mailing address of the ISA Authorized officer				
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk				
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ahlstedt, M			

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/018531

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, or the relevant passages	TOTAL TO GENETING.
P,X	WO 2004/007628 A (DOW CORNING TORAY SILICONE CO., LTD; SUTOH, MANABU; USHIO, YOSHITO; FU) 22 January 2004 (2004-01-22) paragraphs [0034], [0042] - [0044]; figures 2,3	1,2,4-6
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 383 (E-1116), 27 September 1991 (1991-09-27) -& JP 03 152942 A (NITTO DENKO CORP), 28 June 1991 (1991-06-28) abstract	1-6
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 079 (E-1171), 26 February 1992 (1992-02-26) -& JP 03 268345 A (NITTO DENKO CORP), 29 November 1991 (1991-11-29) abstract	1-6
A	EP 0 571 649 A (NITTO DENKO CORPORATION) 1 December 1993 (1993-12-01) column 1, line 50 - line 53; figure 1 claim 1	1-6
A	US 5 476 565 A (AKADA ET AL) 19 December 1995 (1995-12-19) claim 1	1-6
A	US 6 304 000 B1 (ISSHIKI MINORU ET AL) 16 October 2001 (2001-10-16) the whole document	1-6

INTERNATIONAL SEARCH REPORT Information on patent family members

International Application No PCT/JP2004/018531

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2002226796 A	14-08-2002	NONE	
US 6319754	20-11-2001	NONE	
WO 2004007628 A	22-01-2004	AU 2003249594 A1 WO 2004007628 A1 JP 2004043814 A	02-02-2004 22-01-2004 12-02-2004
JP 03152942	28-06-1991	JP 2665383 B2	22-10-1997
JP 03268345 A	29-11-1991	NONE	
EP 0571649 A	01-12-1993	EP 0571649 A1	01-12-1993
US 5476565 A	19-12-1995	JP 5179211 A EP 0550014 A2 US 5304418 A	20-07-1993 07-07-1993 19-04-1994
US 6304000 E	16-10-2001	JP 3420473 B2 JP 11012546 A US 6235862 B1	23-06-2003 19-01-1999 22-05-2001